

PALM INTRANET

10/777,014

Day : Tuesday
Date: 1/15/2008
Time: 10:00:13

Inventor Name Search Result

SNRT

Your Search was:

Last Name = LAUGHARN

First Name = JAMES

| Application# | Patent# | Status | Date Filed | Title | Inventor Name |
|-----------------|------------|--------|------------|--|------------------------|
| <u>09530478</u> | Not Issued | 161 | 11/14/2000 | Pressure-enhanced extraction and purification | LAUGHARN JR., JAMES A. |
| <u>09830473</u> | 6719449 | 150 | 04/27/2001 | APPARATUS AND METHOD FOR CONTROLLING SONIC TREATMENT | LAUGHARN JR., JAMES A. |
| <u>60110460</u> | Not Issued | 159 | 12/01/1998 | PERMEABILIZATION OF BIOLOGICAL SAMPLES BY SOUND WAVES | LAUGHARN JR., JAMES A. |
| <u>60249527</u> | Not Issued | 159 | 11/17/2000 | Acoustic-mediated dissociation of binding partners | LAUGHARN, JAMES A |
| <u>09010892</u> | 6127534 | 150 | 01/22/1998 | PRESSURE-MODULATED ION ACTIVITY | LAUGHARN, JAMES A |
| <u>60076478</u> | Not Issued | 159 | 03/02/1998 | PRESSURE-CONTROLLED NUCLEIC ACID HYBRIDIZATION | LAUGHARN, JAMES A |
| <u>09214250</u> | 6635469 | 150 | 08/20/1999 | PRESSURE-MEDIATED BINDING OF BIOMOLECULAR COMPLEXES | LAUGHARN, JAMES A. |
| <u>09489586</u> | 6569672 | 150 | 01/21/2000 | PRESSURE CYCLING REACTOR | LAUGHARN, JAMES A. |
| <u>09678173</u> | Not Issued | 161 | 10/02/2000 | Pressure-modulated ion activity | LAUGHARN, JAMES A. |
| <u>09812262</u> | 6448065 | 150 | 03/19/2001 | INTEGRATED SEQUENCING DEVICE | LAUGHARN, JAMES A. |
| <u>09812723</u> | 6948843 | 150 | 03/20/2001 | METHOD AND APPARATUS FOR ACOUSTICALLY CONTROLLING LIQUID SOLUTIONS IN MICROFLUIDIC DEVICES | LAUGHARN, JAMES A. |
| <u>09898404</u> | Not Issued | 161 | 07/03/2001 | Pressure-enhanced extraction and purification | LAUGHARN, JAMES A. |
| <u>09901297</u> | 6753169 | 150 | 07/09/2001 | PRESSURE-CONTROLLED NUCLEIC ACID HYBRIDIZATION | LAUGHARN, JAMES A. |
| <u>09924266</u> | 6696019 | 150 | 08/07/2001 | RAPID CRYOBARIC STERILIZATION AND VACCINE PREPARATION | LAUGHARN, JAMES A. |
| <u>10134054</u> | Not Issued | 161 | 04/26/2002 | Multichamber device for processing of biological samples using high pressure | LAUGHARN, JAMES A. |
| <u>10770241</u> | Not Issued | 120 | 02/02/2004 | RAPID CRYOBARIC STERILIZATION AND VACCINE PREPARATION | LAUGHARN, JAMES A. |

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|-----------------|------------|-----|-----------------|--|--------------------|
| <u>10777014</u> | Not Issued | 71 | 02/11/2004 | Apparatus and methods for controlling sonic treatment | LAUGHARN, JAMES A. |
| <u>10918878</u> | Not Issued | 120 | 08/16/2004 | Pressure-enhanced extraction and purification | LAUGHARN, JAMES A. |
| <u>11001988</u> | Not Issued | 95 | 12/02/2004 | APPARATUS AND METHODS FOR SAMPLE PREPARATION | LAUGHARN, JAMES A. |
| <u>11006002</u> | Not Issued | 95 | 12/07/2004 = | SYSTEMS AND METHODS FOR DETERMINING A STATE OF FLUIDIZATION AND/OR A STATE OF MIXING | LAUGHARN, JAMES A. |
| <u>11167934</u> | Not Issued | 30 | 06/27/2005 | Method and apparatus for acoustically controlling liquid solutions in microfluidic devices | LAUGHARN, JAMES A. |
| <u>11295372</u> | Not Issued | 30 | 12/05/2005 | Methods and systems for modulating acoustic energy delivery | LAUGHARN, JAMES A. |
| <u>11484293</u> | Not Issued | 25 | 07/10/2006 | Multichamber device for processing of biological samples using high pressure | LAUGHARN, JAMES A. |
| <u>11497865</u> | Not Issued | 30 | 08/01/2006 | Methods and systems for compound management and sample preparation | LAUGHARN, JAMES A. |
| <u>11888708</u> | Not Issued | 20 | 08/01/2007 | Methods and apparatus for treating samples with acoustic energy | LAUGHARN, JAMES A. |
| <u>11894655</u> | Not Issued | 25 | 08/20/2007 | Apparatus and methods for controlling sonic treatment | LAUGHARN, JAMES A. |
| <u>11894805</u> | Not Issued | 25 | 08/20/2007 | Methods and systems for modulating acoustic energy delivery | LAUGHARN, JAMES A. |
| <u>11986274</u> | Not Issued | 19 | 11/20/2007 | Methods and apparatus for treating samples with acoustic energy to form particles and particulates | LAUGHARN, JAMES A. |
| <u>29222711</u> | Not Issued | 93 | 02/03/2005 | FLEXIBLE SAMPLE VESSEL | LAUGHARN, JAMES A. |
| <u>60181516</u> | Not Issued | 159 | 02/10/2000 | Pulsed acoustic energy for sonoablation of abnormalities of epithelial and adventitial tissue | LAUGHARN, JAMES A. |
| <u>60191297</u> | Not Issued | 159 | 03/21/2000 | METHOD AND APPARATUS FOR MICROSTREAM MIXING OF FLUIDIC LIQUID SOLUTIONS | LAUGHARN, JAMES A. |
| <u>60198923</u> | Not Issued | 159 | 04/21/2000 | Method and apparatus for microstream mixing of fluidic liquid solutions | LAUGHARN, JAMES A. |
| <u>60246838</u> | Not Issued | 159 | 11/08/2000 | Method and apparatus for microstream mixing of liquid solutions in micro fluidic devices | LAUGHARN, JAMES A. |
| <u>60528069</u> | Not Issued | 159 | 12/08/2003 | Apparatus and methods for solid sample preparation | LAUGHARN, JAMES A. |
| <u>60633215</u> | Not Issued | 159 | 12/03/2004 | Reflection transmission pinging | LAUGHARN, JAMES A. |
| <u>60685231</u> | Not Issued | 159 | 05/27/2005 | Methods and systems for controlling ultrasonic energy delivery | LAUGHARN, JAMES A. |

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|--------------------------|-------------------------|-----|------------|--|--------------------|
| 60704794 | Not Issued | 159 | 08/01/2005 | Methods and systems for compound management and sample preparation | LAUGHARN, JAMES A. |
| 60715660 | Not Issued | 159 | 09/09/2005 | Methods and systems for compound management and sample preparation | LAUGHARN, JAMES A. |
| 60834979 | Not Issued | 159 | 08/01/2006 | Methods and apparatus for treating samples with acoustic energy | LAUGHARN, JAMES A. |
| 60860598 | Not Issued | 159 | 11/22/2006 | Methods and apparatus for treating samples with acoustic energy to form particles and particulates | LAUGHARN, JAMES A. |
| 60923335 | Not Issued | 20 | 04/13/2007 | Methods and apparatus for focused ultrasonic sample processing under high pressure | LAUGHARN, JAMES A. |
| 60962998 | Not Issued | 20 | 08/01/2007 | Methods and apparatus for focused ultrasonic sample processing under high pressure | LAUGHARN, JAMES A. |
| 07065328 | Not Issued | 161 | 06/22/1987 | ASSAY DEVICE | LAUGHARN, JAMES A. |
| 07272457 | 4946603 | 150 | 11/17/1988 | ELECTRONEGATIVELY CHARGED BLOOD FILTER AND BLOOD CELL SEPARATION METHOD | LAUGHARN, JAMES A. |
| 08903156 | Not Issued | 161 | 07/30/1997 | PRESSURE-MODULATED ION CONCENTRATION | LAUGHARN, JAMES A. |
| 08903615 | 6245506 | 150 | 07/30/1997 | INTEGRATED SEQUENCING DEVICE | LAUGHARN, JAMES A. |
| 08962280 | 6111096 | 150 | 10/31/1997 | NUCLEIC ACID ISOLATION AND PURIFICATION | LAUGHARN, JAMES A. |
| 09016062 | 6274726 | 150 | 01/30/1998 | PRESSURE-ENHANCED EXTRACTION AND PURIFICATION | LAUGHARN, JAMES A. |
| 09035652 | 6258534 | 150 | 03/05/1998 | PRESSURE-CONTROLLED NUCLEIC ACID HYBRIDIZATION | LAUGHARN, JAMES A. |
| 09083651 | 6120985 | 150 | 05/22/1998 | PRESSURE-ENHANCED EXTRACTION AND PURIFICATION | LAUGHARN, JAMES A. |

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| | Last Name | First Name | |
| Search Another: Inventor | <input type="text" value="laugharn"/> | <input type="text" value="james"/> | <input type="button" value="Search"/> |

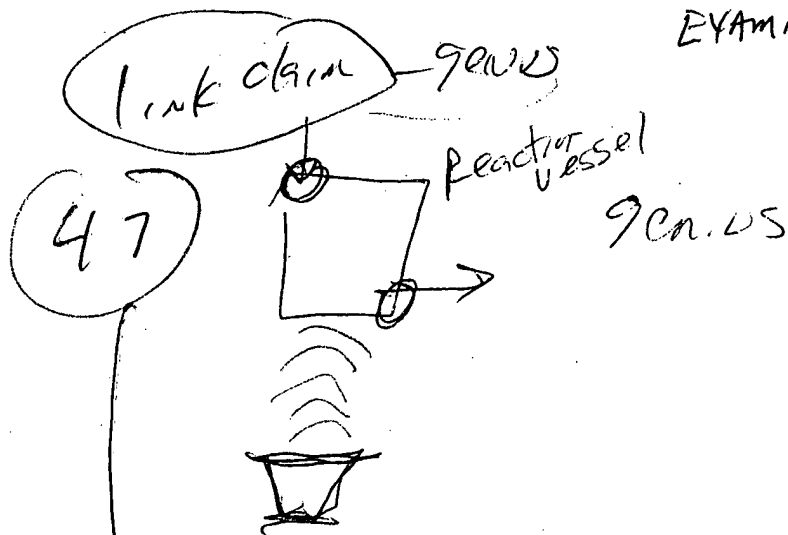
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1/2



See other sheet

141

62 Focus
+ 143 Plural
+ 148-149 Field

FROM 47

70 - Sample inflow
71 solvent

72 - Sample in
Constituent

73 - Solvent

74 - molecules

75 antibody

76 1.9 and

77 - Antibody
& Receptor

78 (Nucleic
Acid)

79 (molecule
nucleic)

80 Fluidize
Samples

91 heating
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48 > LARGER/smaller

49 SPECIES PROCESSORS

50 Processor - Flow

51 Process transducer

52 Process Frequency

53 Feedback sensor

54 SAMPLE SENSOR
PROCESSOR

55 Flow control
processor

56 transducer
processor

57 Acoustic sample
Sensor - emission

58 Acoustic sample
Sensor reflection

59 temp sensor w/ feedback

60 optical sensor - spectral

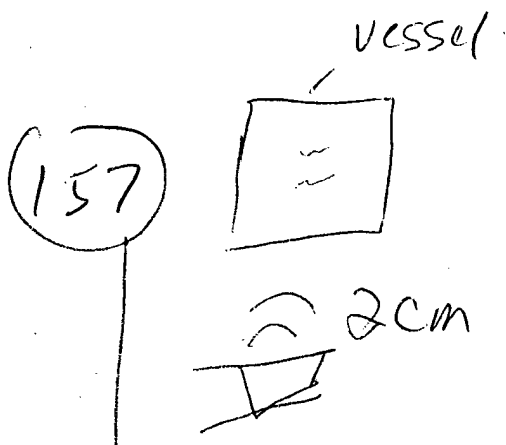
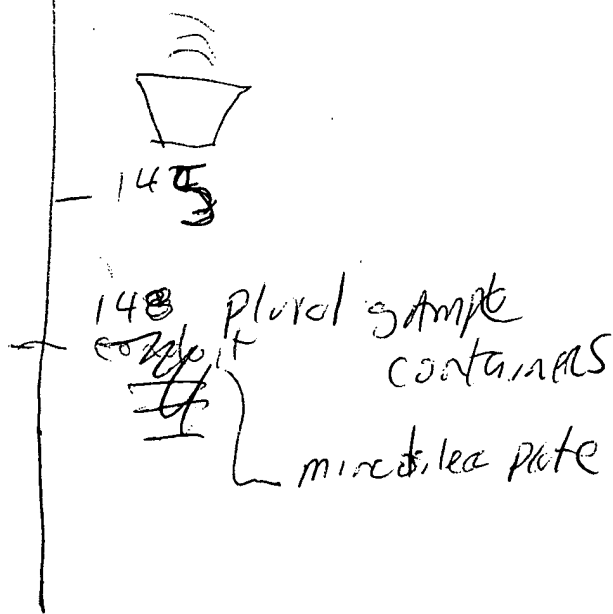
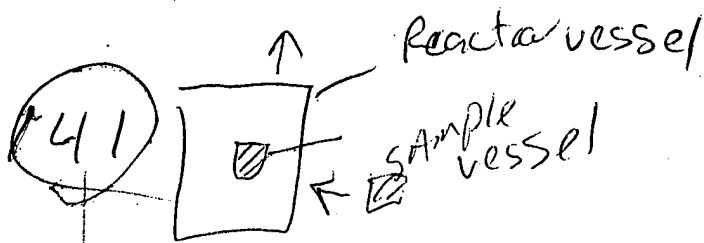
61 spectral info

63 (W)
64 (W)
65 (W)

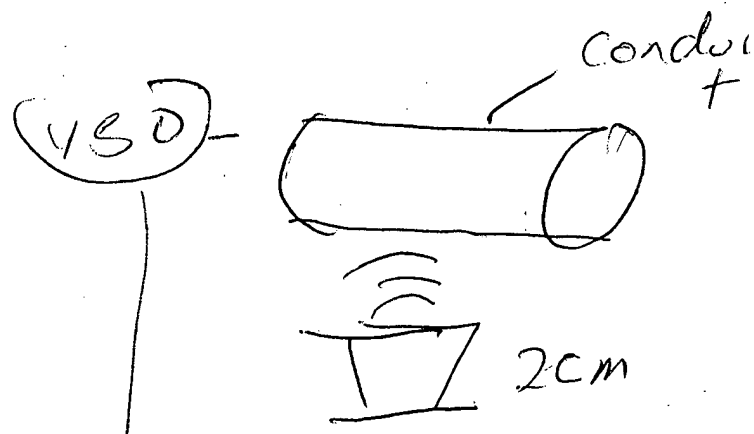
66 ORGANIC MAT.
67 inorganic mat.
68 mineral
69 Biological

excites, absorbs, fluoresces, emission

2/2



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- 151 Flow processor
- 152 Acoustic processor
- 153 frequency processor
- 154 Feedback
- state determine process
- Mixing use

2cm
100-1042
Both

AB20